

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2004:1023502 CAPLUS Full-text <[| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------------|----------------|------|----------|-----------------|------|
| | ----- | ---- | ----- | ----- | ---- |
| PI | RU 2241002 | C1 | 20041127 | RU 2003-123516 | |
| 20030724 <-- | | | | | |
| PRAI | RU 2003-123516 | | 20030724 | | |
| GI | | | | | |](https://chemport.fiz-karlsruhe.de/cgi-bin/ex_sdcql?yyUE0ijzB0_PDnf0qaWiU_wI3RGzGCmJbFxFx0sibuzToprnspWdxrkGMudG GpBcmCY4ShdeVV3pXiVVtQxZORe_az7PX7lcmSp7D0SWKKsdpBY34W1lr62ERPRKQVgFkS yPvkewpUEPGk_5D_qC6wWzxBYp6YtjDH55f6WsUc_5VxBFGZB8p7e70tar2A2S5yH>

 DN 141:410956

 TI A preparation of pyridothienopyrimidine derivatives, useful as herbicidal antidotes

 IN Vasilin, V. K.; Osipova, A. A.; Kaigorodova, E. A.; Nen'ko, N. I.; Krapivin, G. D.; Isakova, L. I.; Strelkov, V. D.

 PA Kubanskii Gosudarstvennyi Tekhnologicheskii Universitet, Russia

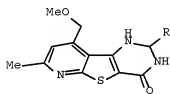
 SO Russ., No pp. given

 CODEN: RUXXE7

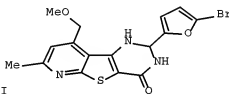
 DT Patent

 LA Russian

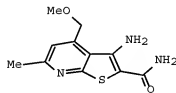
 FAN.CNT 1</p>
</div>
<div data-bbox=)



I



II



III

AB The invention relates to a preparation of pyridothienopyrimidine derivs. of formula I [wherein: R is 2-(5-bromo-furyl), 2-furyl, and cyclohexyl], useful as herbicidal antidotes of 2,4-dichlorophenoxyacetic acid. For instance, pyridothienopyrimidine derivative II was prepared via heterocyclization of thienopyridine derivative III and 5-bromo-2-furfural with a yield of 83%. In the presence of compound II, toxic effect of herbicidal 2,4-dichlorophenoxyacetic acid decreased (at the concentration of 10-2% sunflower root length increased by 30%).